

Recombinant Full Length Human MEF2C Protein, C-Flag-tagged

Cat. No. MEF2C-671HFL Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant Full Length Human MEF2C Protein, fused to Flag-tag at C-terminus, was expressed in Mammalian cells.
Species	Human
Source	Mammalian Cells
Description	<p>This locus encodes a member of the MADS box transcription enhancer factor 2 (MEF2) family of proteins, which play a role in myogenesis. The encoded protein, MEF2 polypeptide C, has both trans-activating and DNA binding activities. This protein may play a role in maintaining the differentiated state of muscle cells. Mutations and deletions at this locus have been associated with severe cognitive disability, stereotypic movements, epilepsy, and cerebral malformation. Alternatively spliced transcript variants have been described.</p>
Form	25 mM Tris HCl, pH 7.3, 100 mM glycine, 10% glycerol.
Molecular Mass	51 kDa
AA Sequence	<p>MGRKKIQITRIMDERNRQVTFTRKRFGLMKKAYELSVLCDCEIALIIFNSTNKLQFYAS TDMDKVLLKYT EYNEPHESRTNSDIVETLRKKGLNGCDSPDPDADDSVGHSPESD KYRKINEDIDLISRQRLCAVPPPN FEMPVSIPVSSHNSLVYSNPVSSLGNPNLLPLA HPSLQRNSMSPGVTHRPPSAGNTGGLMGGDLTSGAGT SAGNGYGNPRNSPGLLV SPGNLNKNMQAKSPPPMNLGMNMRKPDRLRVLIPPGSKNTMPSVSEDVDLLLNQ RI</p>

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NNSQSAQSLATPVVSVATPTLPGQGMGGYPSAISTTYGTEYSLSSADLSSLSGFNTA
SALHLGSVTGW QQQHLHNMPPSALSQLGACTSTHLSQSSNLSLPSTQSLNIKSEPV
SPPRDRTTTPSRYPQHTRHEAGRSP
VDSLSSCSSSYDGS DREDHRNEFHSPIGLTRPSPDERESPSVKRMRLSEGWATTRT
RPLEQKLISEEDLAANDILDYKDDDDKV

Purity > 80% as determined by SDS-PAGE and Coomassie blue staining.

Stability Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.

Storage Store at -80 centigrade.

Concentration >50 ug/mL as determined by microplate BCA method.

Preparation Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.

Protein Families Transcription Factors

Protein Pathways MAPK signaling pathway

Full Length Full L.

GENE INFORMATION

Gene Name MEF2C myocyte enhancer factor 2C [Homo sapiens (human)]

Official Symbol MEF2C

Synonyms NEDHSIL; DEL5q14.3; C5DELq14.3

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Gene ID	4208
mRNA Refseq	NM_002397.5
Protein Refseq	NP_002388.2
MIM	600662
UniProt ID	Q06413



Coomassie blue staining of purified MEF2C protein.

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